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Closure of Sludge Pit - Dixie Cavern Landfill,
Roanoke County, Virginia

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Roanoke County, Virginia is currently attempting to close out a sludge pit which was historically used as a disposal pit for semi-volatile and volatile solvents. Sampling and excavation have been taking place for the past eight months. Preliminary indications show that the pit may have already been excavated below concentration levels which are of concern to EPA.

The consultant for Roanoke County has proposed using Threshold Values, as presented in the July, 1987 Superfund Target Compound List for the semi-volatile and volatile compounds, as the basis for deciding whether the pit has been sufficiently excavated.

The proposed Threshold Values are:

<u>Constituent</u>	<u>Level Considered Acceptable for Closure of Sludge Pit</u>
Semi-volatiles:	
1) Bis (2-ethylhexyl) phthalate	19.8 ppm
2) Di-n-butyl phthalate	19.8 ppm
3) Napthalene	19.8 ppm
Volatiles:	
1) Ethylbenzene	625 ppm PPB
2) 1,1-Dichloroethene	625 ppm PPB
3) Toluene	625 ppm PPB

Please let me know at your earliest convenience whether these levels are acceptable as a basis for discontinuing further sampling and excavation of the sludge pit. The pit will be backfilled with virgin material once EPA has determined that the pit no longer presents a threat to the environment. I can be reached at extension 4458 if you have any concerns or questions. Your assistance in this matter is appreciated.

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